

### **AMENDMENTS TO THE CLAIMS**

The following listing of claims replaces all prior versions, and listings, of claims in the captioned patent application:

#### **Listing of Claims:**

1-138. (Cancelled)

139. (Currently Amended) A system for performing after-care of a recipient of a cochlear implant comprising:

a clinician subsystem having a clinician interface configured to receive one or more clinician inputs that at least one of select or customize one or more cochlear implant after-care tests; and

a recipient subsystem configured to receive the one or more selected or customized after-care tests from the clinician subsystem, and wherein the recipient subsystem ~~communicates is configured to communicate with the cochlear implant so as to to~~ so as to perform the one or more after-care tests selected or customized on the clinician subsystem substantially independent of the clinician subsystem to generate result data indicative of the result of the after-care tests for subsequent use by said clinician subsystem,

~~wherein said wherein the~~ clinician subsystem is further configured to ~~receive said receive the~~ result data from said recipient subsystem.

140. (Previously Presented) The system of claim 139, further comprising:

a device interface configured to communicatively couple said recipient subsystem and the cochlear implant.

141-143. (Cancelled)

144. (Previously Presented) The system of claim 139, wherein said clinician subsystem and said recipient subsystem are physically remote with respect to one another and communicate via the Internet.

145. (Previously Presented) The system of claim 139, wherein the cochlear implant is configured to store said one or more after-care tests.

146. (Previously Presented) The system of claim 139, wherein the cochlear implant is configured to store said result data.

147. (Previously Presented) The system of claim 139, further comprising:  
a storage medium configured to store said one or more after-care tests.

148. (Previously Presented) The system of claim 139, further comprising:  
a storage medium configured to store said result data.

149. (Previously Presented) The system of claim 148, wherein said storage medium is a portable storage medium.

150. (Previously Presented) The system of claim 139, wherein the recipient subsystem is further configured to deliver the result data to the clinician subsystem, and further wherein the clinician subsystem is further configured to perform an assessment of the result data.

151-152. (Cancelled)

153. (Previously Presented) The system of claim 140, further comprising:  
a cable coupled between said device interface and said cochlear implant.

154. (Cancelled)

155. (Previously Presented) The system of claim 139, wherein said clinician subsystem is configured to initiate the one or more after-care tests performed by the recipient subsystem.

156. (Currently Amended) A method for performing after-care of a recipient of a cochlear implant comprising:

receiving one or more inputs at a clinician interface that at least one of select or customize one or more cochlear implant after-care tests  
delivering said one or more after-care tests to a recipient subsystem;  
performing, on the cochlear implant, said one or more after-care tests selected or customized ~~one~~ ~~the clinician on the clinician~~ subsystem to generate result data indicative of the result of the after-care test, wherein the after-care tests are performed by the recipient subsystem substantially independent of the clinician subsystem; and  
delivering the result data to the clinician subsystem.

157. (Previously Presented) The method of claim 156, further comprising:

storing said one or more after-care tests in the cochlear implant.

158. (Previously Presented) The method of claim 156, further comprising:

storing said result data in the cochlear implant.

159. (Previously Presented) The method of claim 156, wherein the recipient subsystem further comprises a storage medium, and wherein the method further comprises:

storing said one or more after-care tests.

160. (Previously Presented) The method of claim 156, further comprising:

storing said result data in a storage medium of the recipient subsystem.

161. (Previously Presented) The method of claim 160, wherein the storage medium is a portable storage medium.

162. (Previously Presented) The method of claim 156, wherein said delivering said one or more after-care tests to the recipient subsystem comprises:

delivering said one or more after-care tests via the Internet.

163. (Cancelled)

164. (Previously Presented) The method of claim 156, wherein said performing said one or more after-care tests further comprises:

initializing the one or more tests being performed by the recipient subsystem with inputs received from the clinician interface.

165. (Currently Amended) A computer readable medium comprising computer code instructions which, when executed by a computer system implement a method of performing after-care of a recipient of a cochlear implant, the method comprising:

receiving one or more inputs at a clinician interface that at least one of select or customize one or more cochlear implant after-care tests;

delivering said one or more after-care tests to a recipient subsystem, comprising a recipient interface;

performing, on the cochlear implant, said one or more after-care tests selected or customized on the clinician subsystem to generate result data indicative of the result of the after-care tests, ~~wherein tests, wherein~~ the after-care tests are performed by the recipient subsystem substantially independent of the clinician subsystem; and

delivering the result data to the clinician subsystem.

166. (Previously Presented) The computer readable medium of claim 165, wherein the method further comprises:

storing said one or more after-care tests in the cochlear implant.

167. (Previously Presented) The computer readable medium of claim 165, wherein the method further comprises:

storing said result data in the cochlear implant.

168. (Previously Presented) The computer readable medium of claim 165, wherein the recipient subsystem further comprises a storage medium, and wherein the method further comprises:

storing said one or more after-care tests in the recipient subsystem.

169. (Previously Presented) The computer readable medium of claim 165, wherein the recipient subsystem further comprises a storage medium, and wherein the method further comprises:

storing said result data in said recipient subsystem.

170. (Previously Presented) The computer readable medium of claim 169, wherein the storage medium is a portable storage medium.

171. (Previously Presented) The computer readable medium of claim 165, wherein said delivering said one or more after-care tests to the recipient subsystem comprises:

delivering said one or more after-care test via the Internet.

172. (Cancelled)

173. (Previously Presented) The computer readable medium of claim 165, wherein said performing said one or more after-care tests further comprises:

initializing the one or more tests being performed by the recipient subsystem with inputs received from the clinician interface.

174. (Currently Amended) A system for performing after-care of a recipient of a cochlear implant comprising:

means for receiving one or more inputs via a clinician subsystem that at least one of select or customize one or more cochlear implant after-care tests;

means for delivering said one or more after-care tests to a recipient subsystem;

means for performing, on said cochlear implant, said one or more after-care tests on the and independent of the clinician recipient subsystem, to generate result data indicative of the result of the after-care tests, wherein the after-care tests are performed by the recipient subsystem substantially independent of the clinician subsystem; and

means for delivering the result data to the clinician subsystem.

175. (Previously Presented) The system of claim 174, wherein the cochlear implant comprises means for storing said one or more after-care tests.

176. (Previously Presented) The system of claim 174, wherein the cochlear implant comprises means for storing said result data.

177. (Previously Presented) The system of claim 139, wherein at least one of the one or more after-care tests comprises a cochlear implant integrity check.

178. (Previously Presented) The system of claim 139, wherein at least one of the one or more after-care tests comprises a comparison of a measured neural response threshold to a previously measured neural response threshold.

179. (Previously Presented) The system of claim 139, wherein the cochlear implant comprises a plurality of electrodes, and wherein at least one of the one or more after-care tests determines whether the dynamic range of each of the plurality of electrodes is set correctly.

180. (Previously Presented) The system of claim 139, wherein at least one of the one or more after-care tests evaluates the effectiveness of the cochlear implant.